

Barnsley Academy – (Year) (Subject) Curriculum Overview 2023-24 (KS4 CHEM Year 11)

Autumn Term			Spring Term			Summer Term		
	Class Focus	Homework		Class Focus	Homework		Class Focus	Homework
Week 1	<ul style="list-style-type: none"> Crude oil and Alkanes Fractional Distillation Cracking 	Crude oil exam Q	Week 1			Week 1		
Week 2	<ul style="list-style-type: none"> Uses of Alkenes Closing the gap Alkene reactions (T Only) 	Fractional Distillation	Week 2			Week 2		
Week 3	<ul style="list-style-type: none"> Alcohols (T Only) Combustion of Alcohols (T Only) Carboxylic Acids (T Only) 	Alcohols	Week 3			Week 3		
Week 4	<ul style="list-style-type: none"> Synthetic Polymers (T Only) Natural Polymers (T Only) Revision 	Polymers	Week 4			Week 4		
Week 5	<ul style="list-style-type: none"> Assessment Closing the gap New topic <ul style="list-style-type: none"> Pure substances and Formulations 	Revision Quiz	Week 5			Week 5		
Week 6	<ul style="list-style-type: none"> Chromatography Gas tests Cation Analysis (T Only) 	Chromatography	Week 6			Week 6		
Week 7	<ul style="list-style-type: none"> Anion Analysis (T Only) Flame emission spectroscopy (T Only) Revision / Assessment 	Ion analysis	Week 7			Week 7		
Week 8	New Topic <ul style="list-style-type: none"> Earth's atmosphere Green House effect Climate change 	Atmosphere	Week 8			Week 8		
Week 9	<ul style="list-style-type: none"> Pollutants Revision Assessment 	Revision Quiz	Week 9			Week 9		
Week 10	New topic <ul style="list-style-type: none"> Use of earth's resources Life cycle assessments Phytomining (H Only) 	Phytomining	Week 10			Week 10		
Week 11	<ul style="list-style-type: none"> Corrosion and prevention Alloys Ceramics 	LCA				Week 11		
Week 12	<ul style="list-style-type: none"> Potable water Waste water treatment Haber process 	Potable water				Week 12		
Week 13	<ul style="list-style-type: none"> NPK fertilisers NPK fertilisers 2 Revision 	NPK				Week 13		
Week 14	<ul style="list-style-type: none"> Assessment 					Week 14		

Week 15								
Assessment			Assessment			Assessment		